



FIG. 1

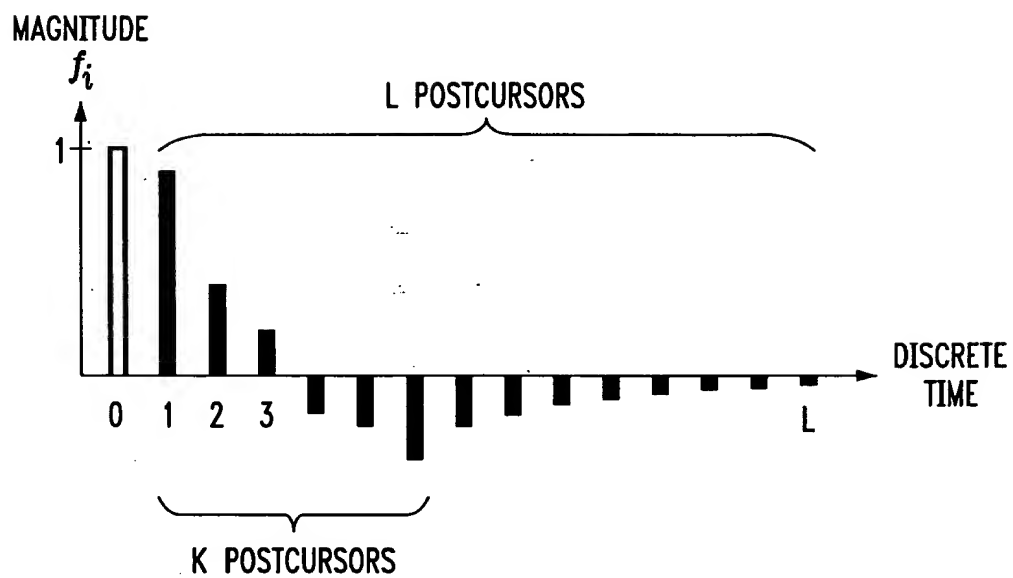


FIG. 2

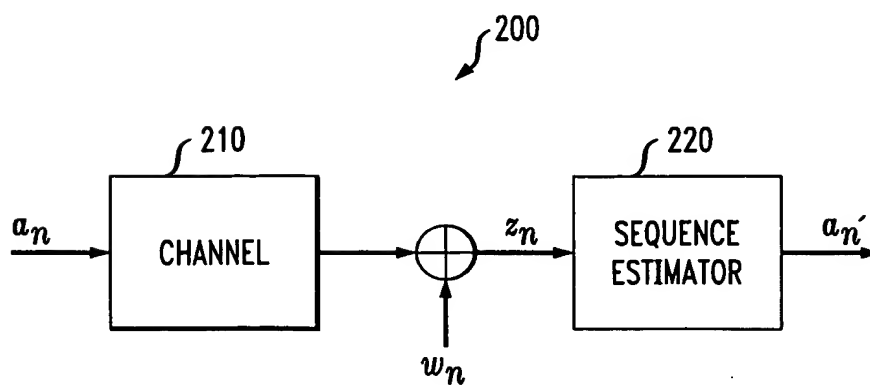




FIG. 3

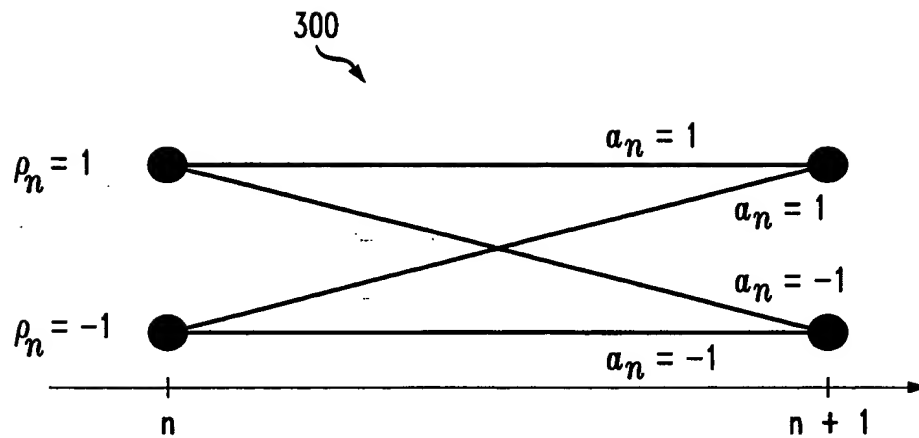
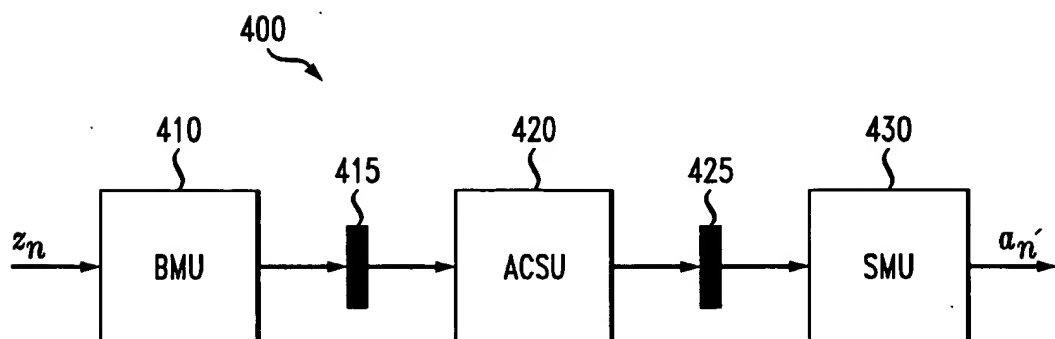


FIG. 4



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FIG. 5

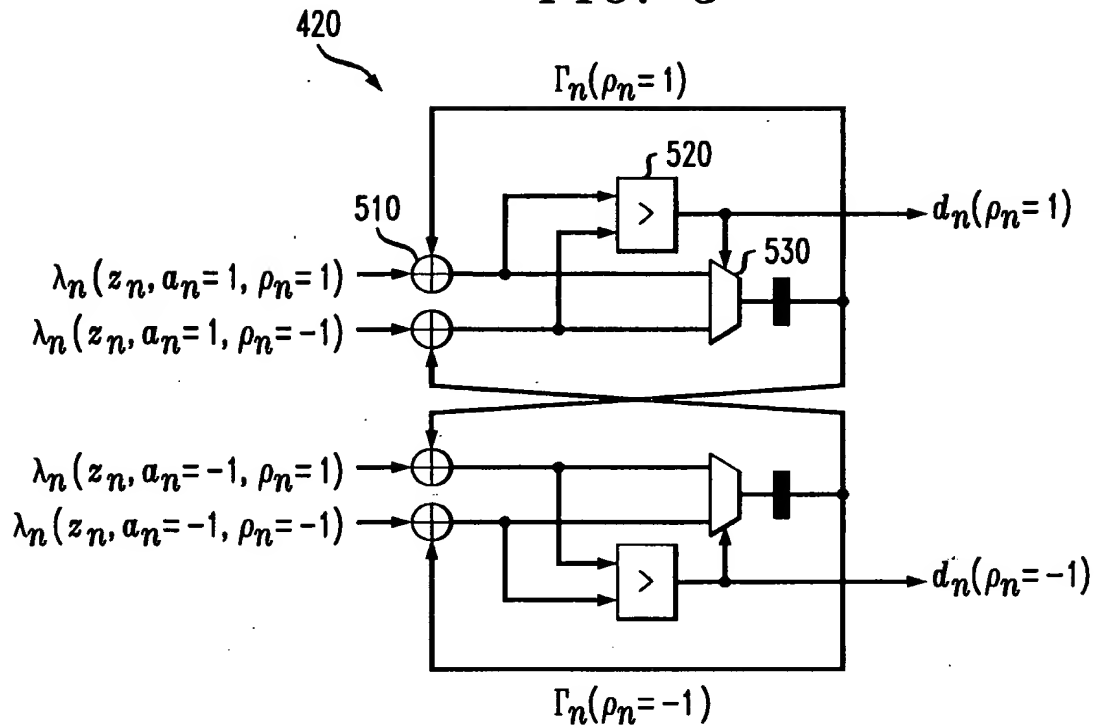
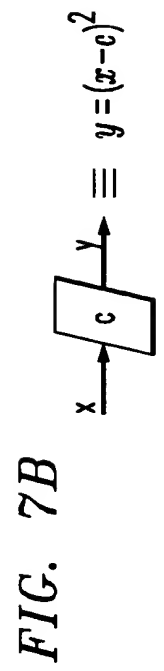
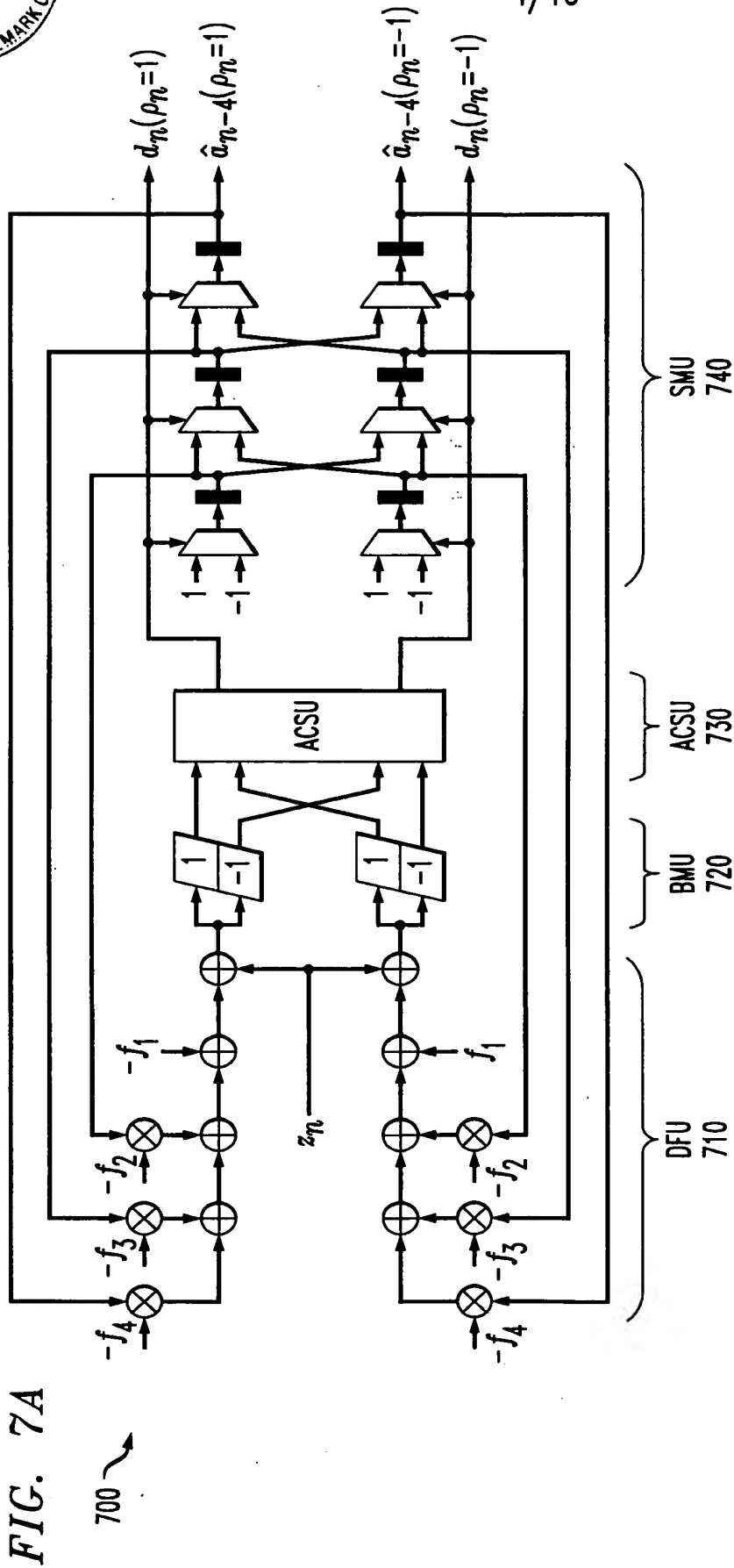


FIG. 6

COMPLEXITY AND CRITICAL PATH ANALYSIS TABLE -- 600

620

	MLSE	RSSE
COMPLEXITY		
NO. OF STATES:	2^L	2^K
NO. OF BMs	2^{L+1}	2^{K+1}
ADDs IN DFU:	—	$S \times L$
CRITICAL PATH	2 ADDs 2-to-1 MUX	$L - K + 3$ ADDs 2-to-1 MUX LUT SHIFT



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FIG. 8

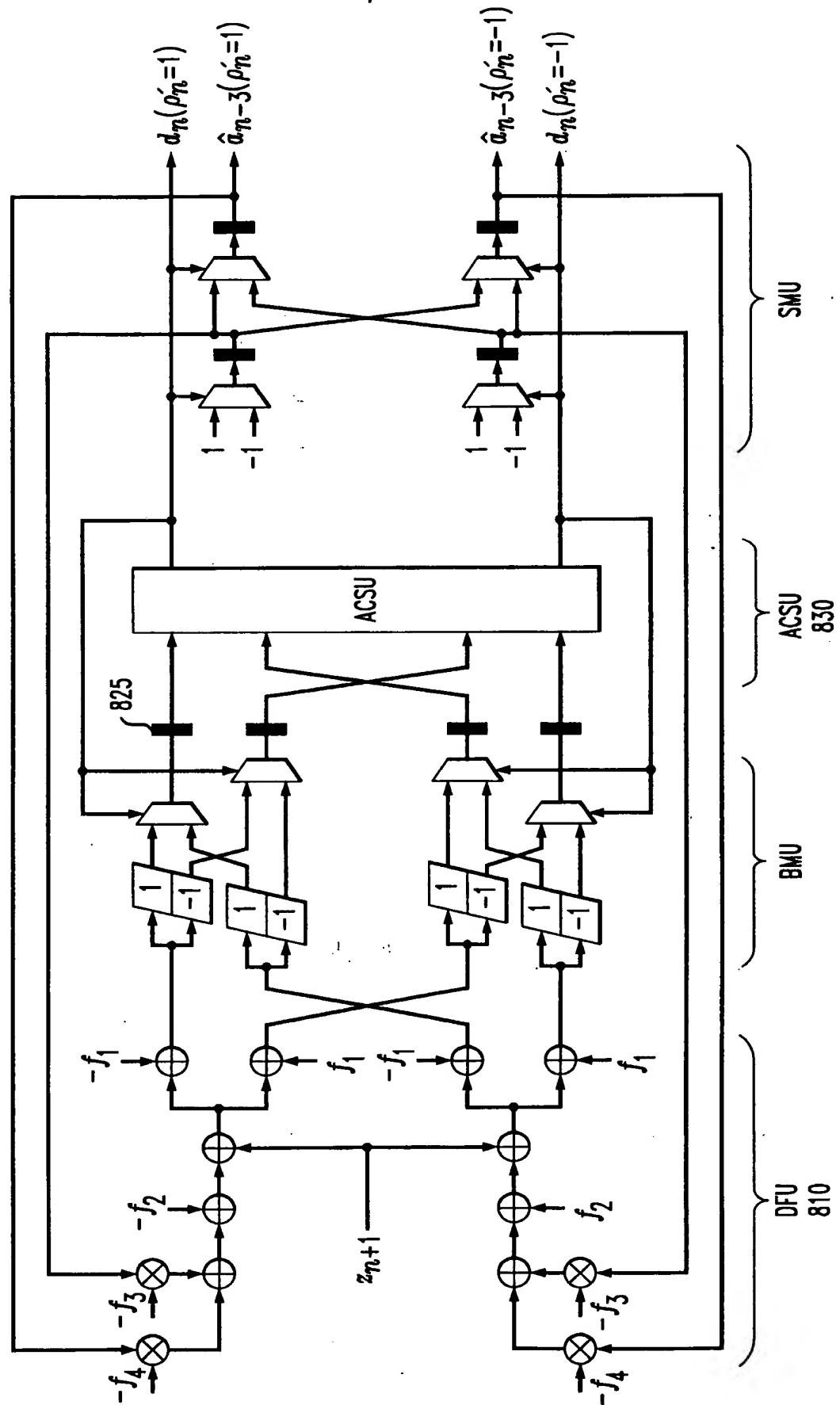
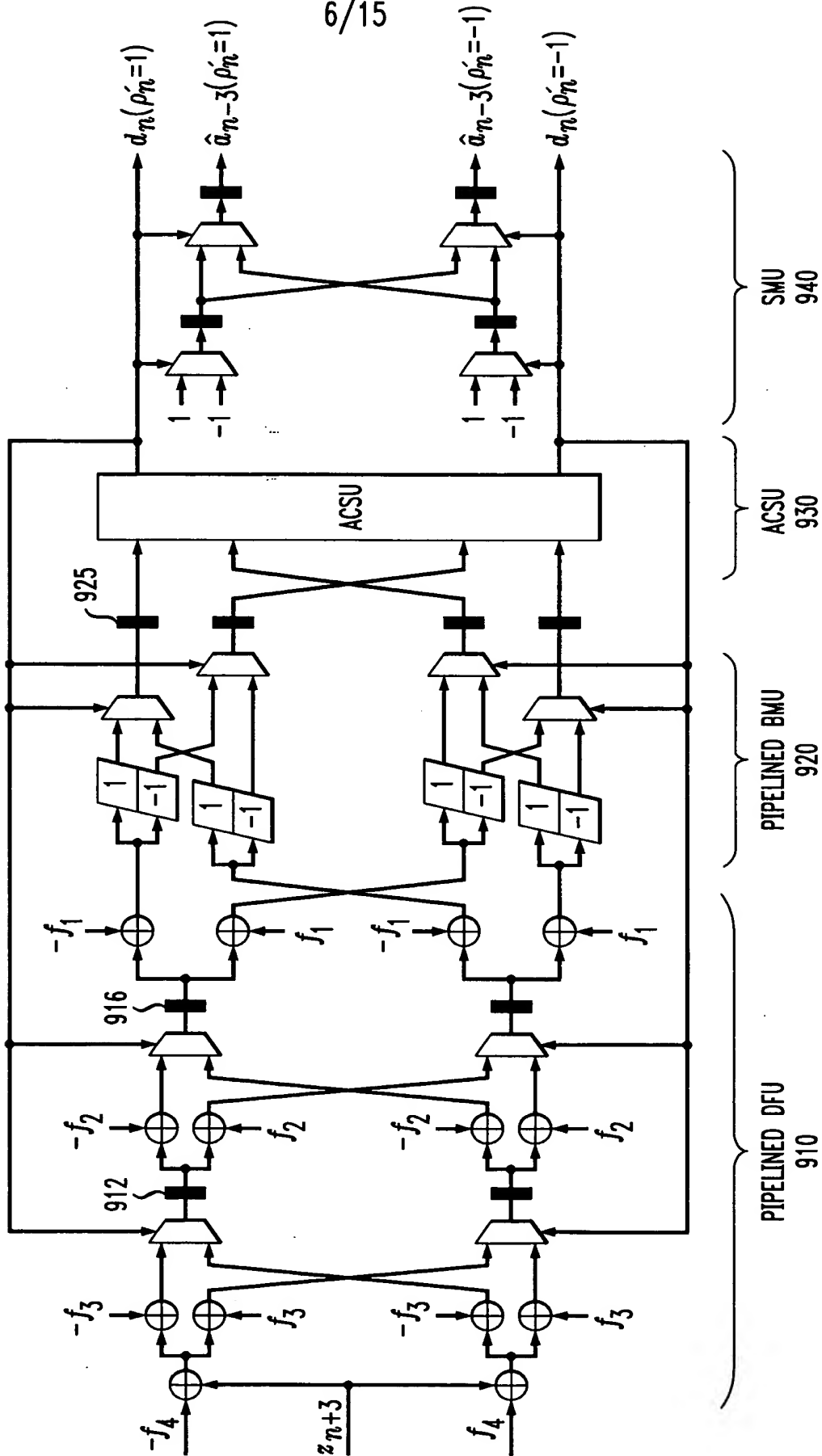




FIG. 9





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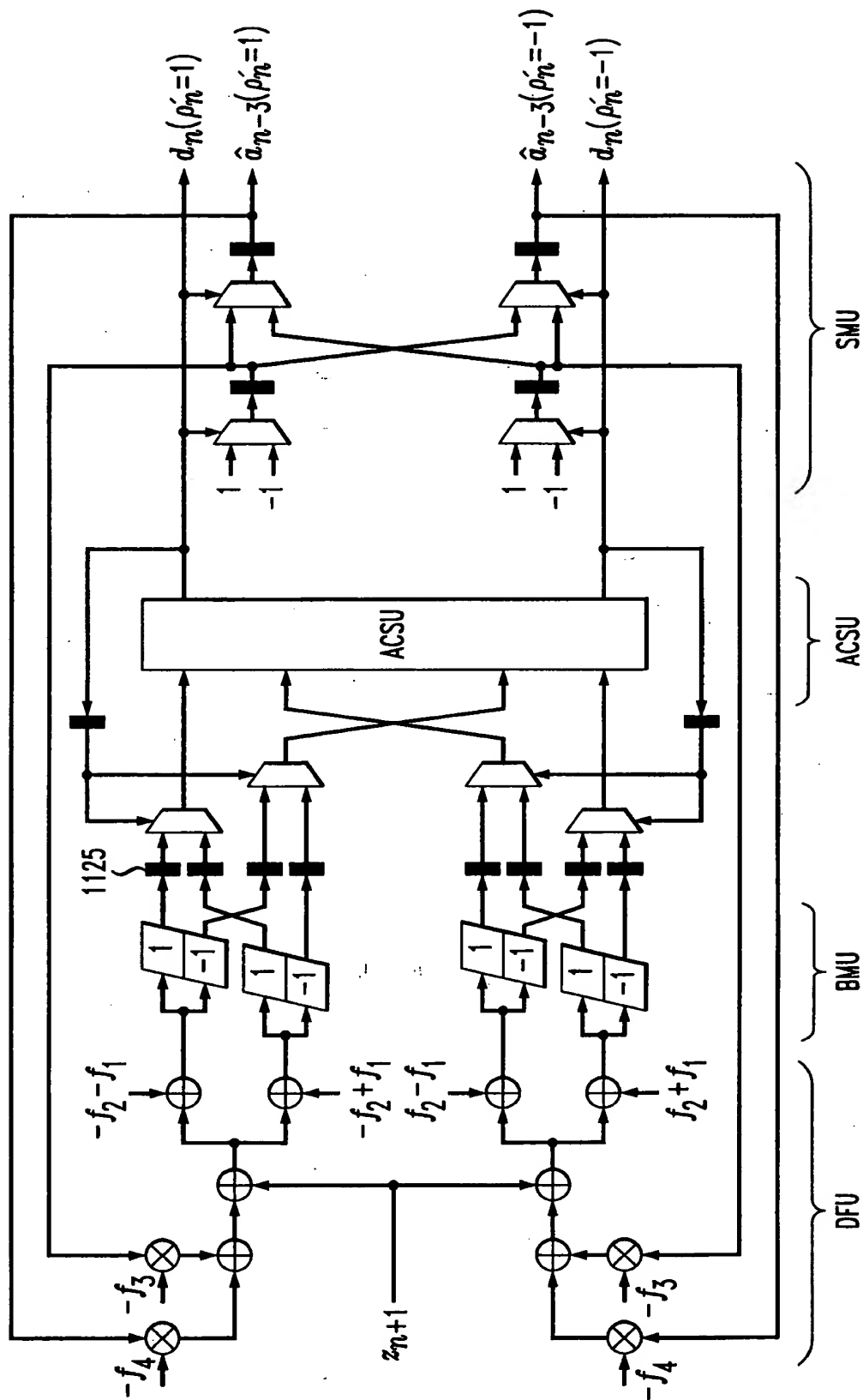
FIG. 10

COMPLEXITY AND CRITICAL PATH ANALYSIS TABLE OF PIPELINED RSSE -- 1000

	PIPELINED RSSE
COMPLEXITY	
NO. OF BMs:	2^{K+2}
ADDs IN DFU:	$S \times (L - M + 2M) = S \times (L + M)$
CRITICAL PATH ($M = L - K$)	2 ADDs 2-to-1 MUX



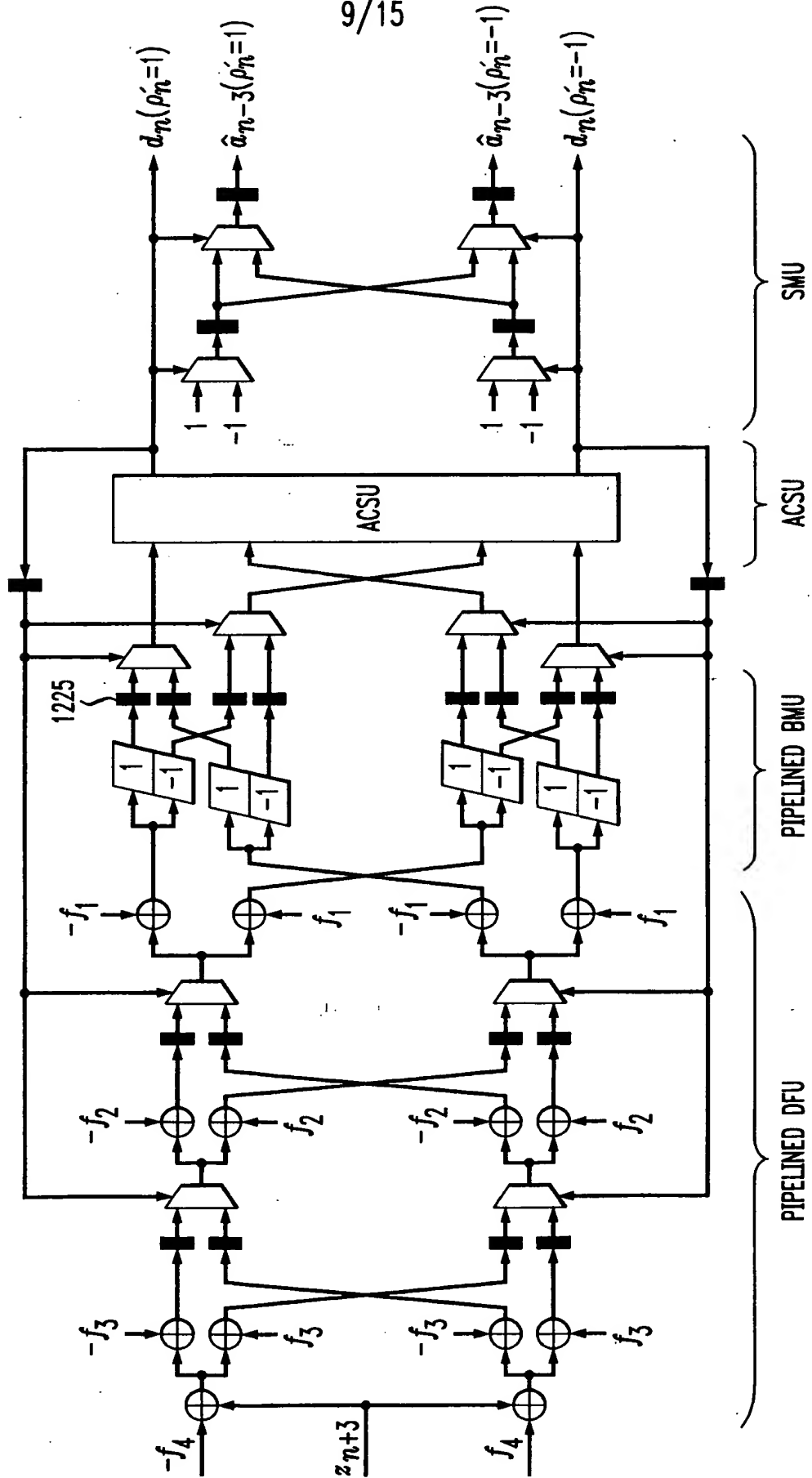
FIG. 11



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FIG. 12

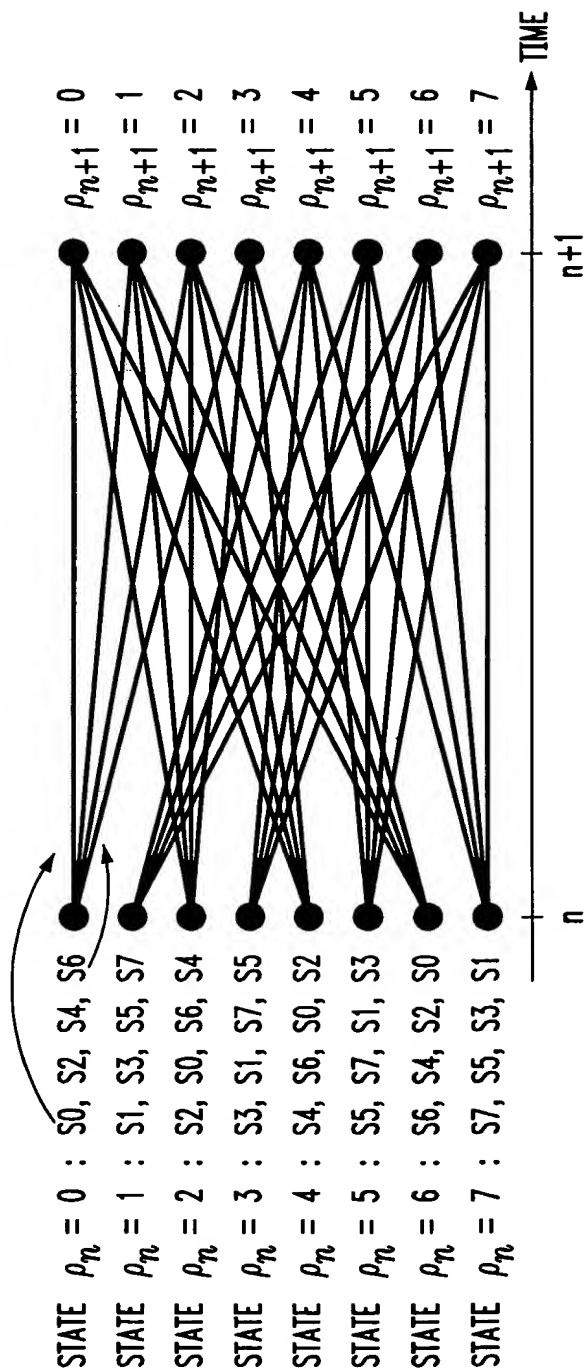


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FIG. 13

1300



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FIG. 14

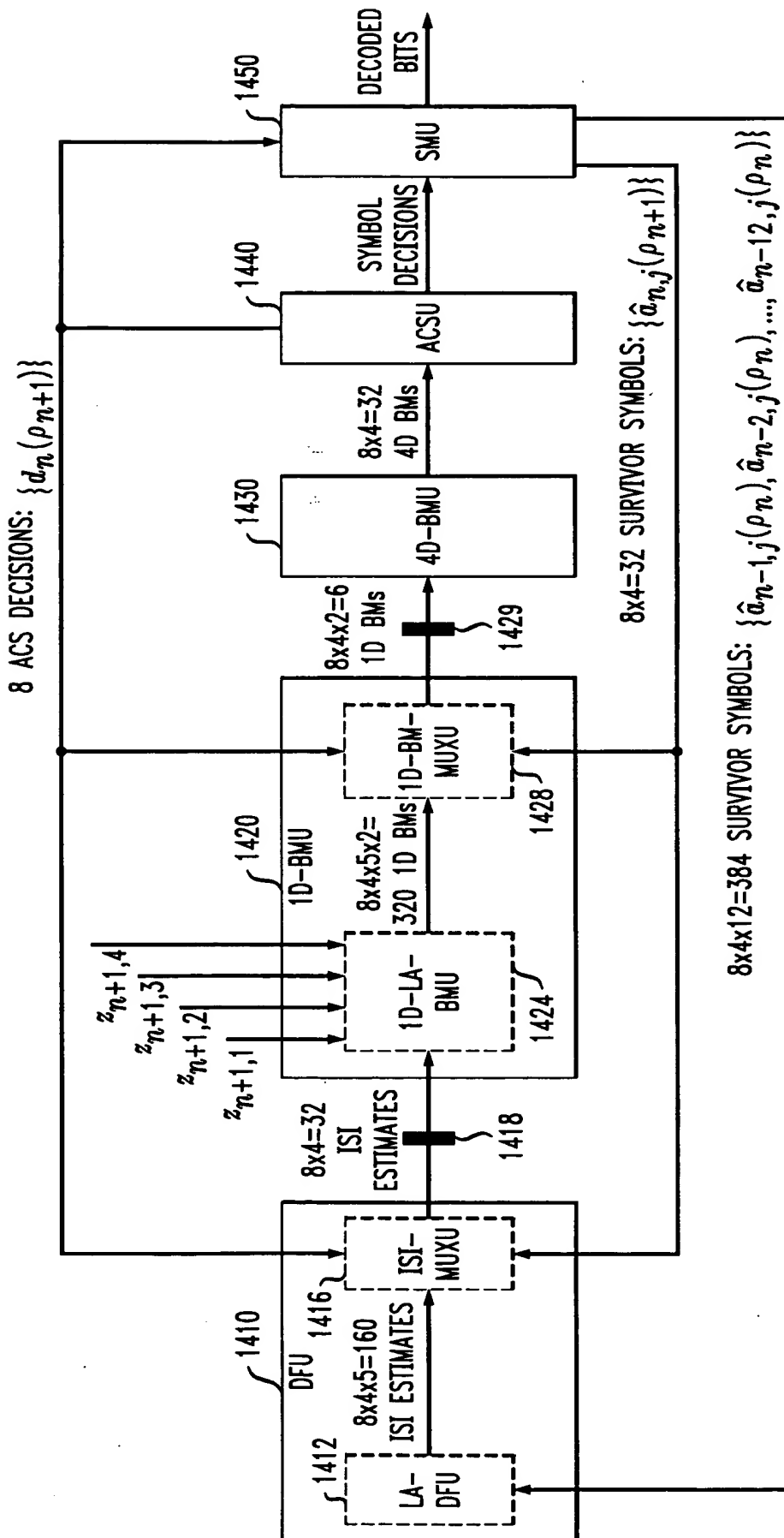


FIG. 15

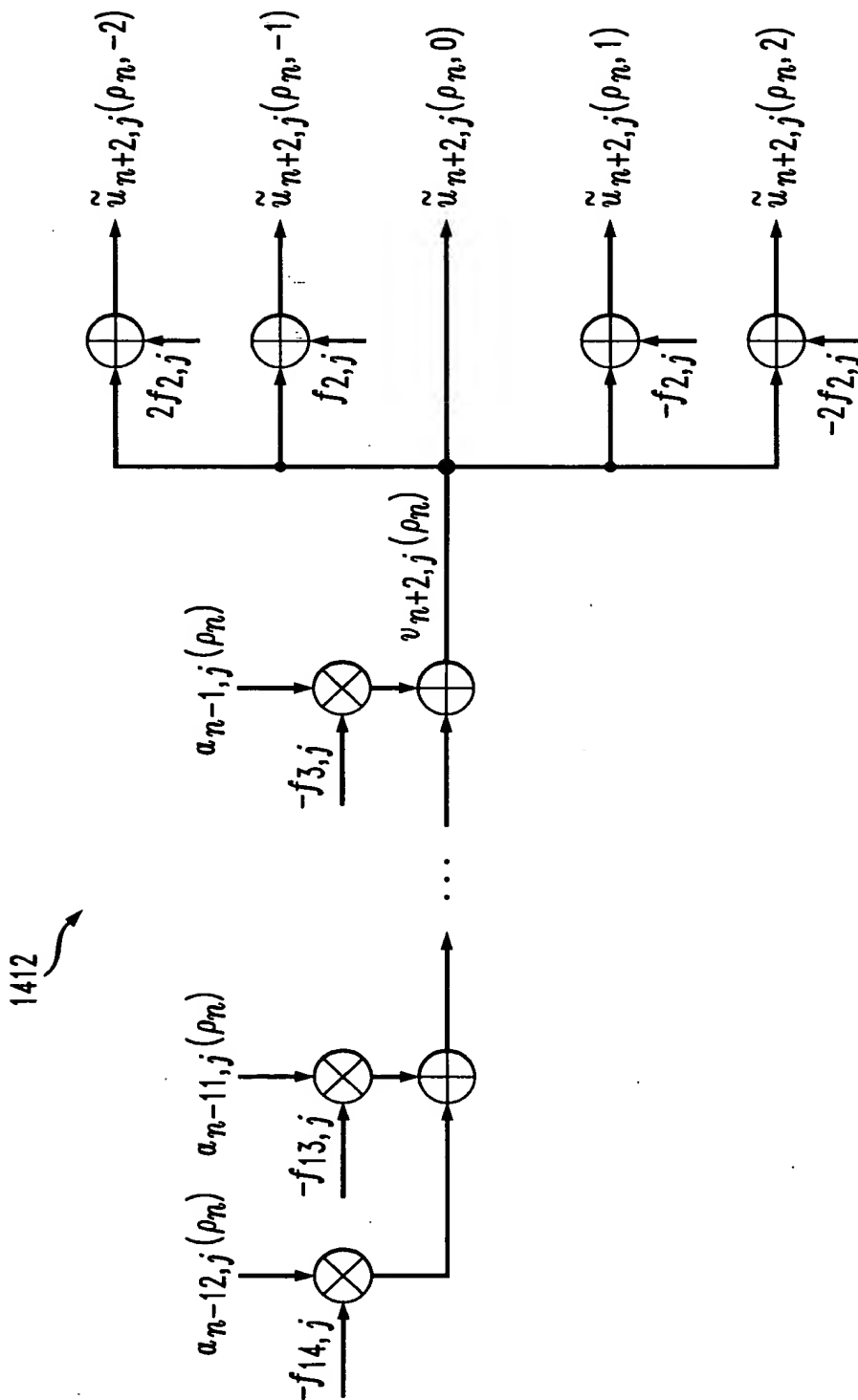




FIG. 16

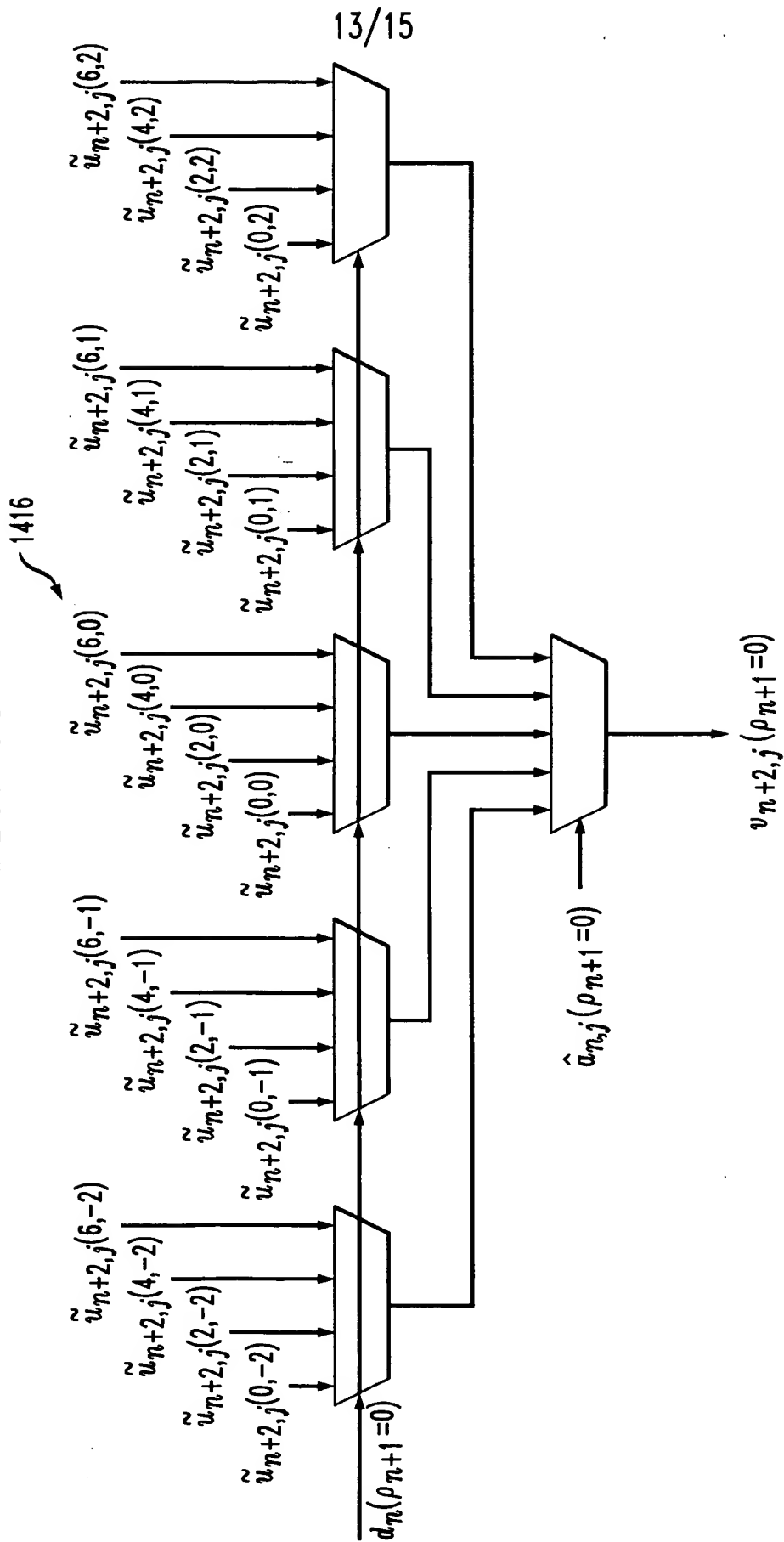
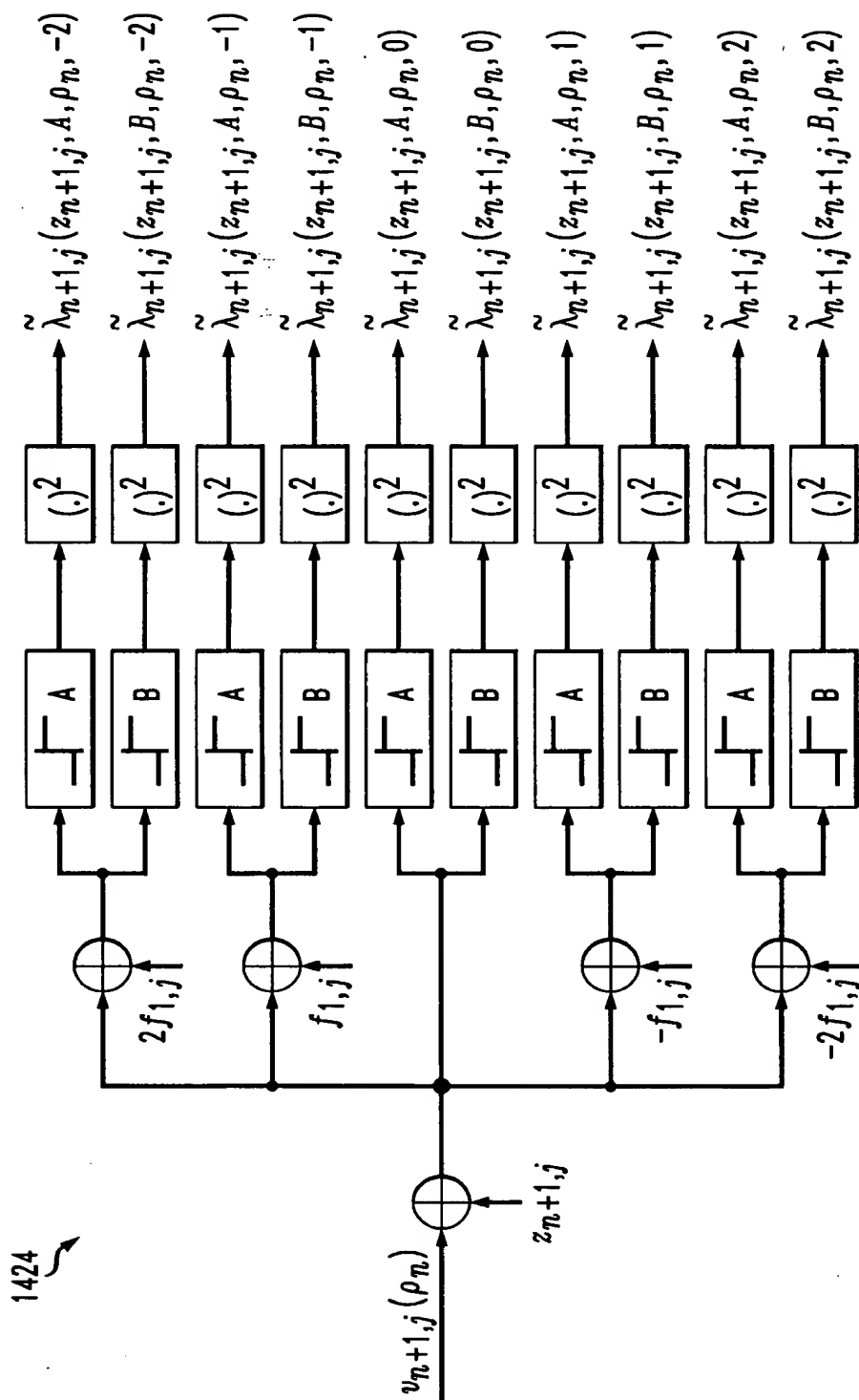
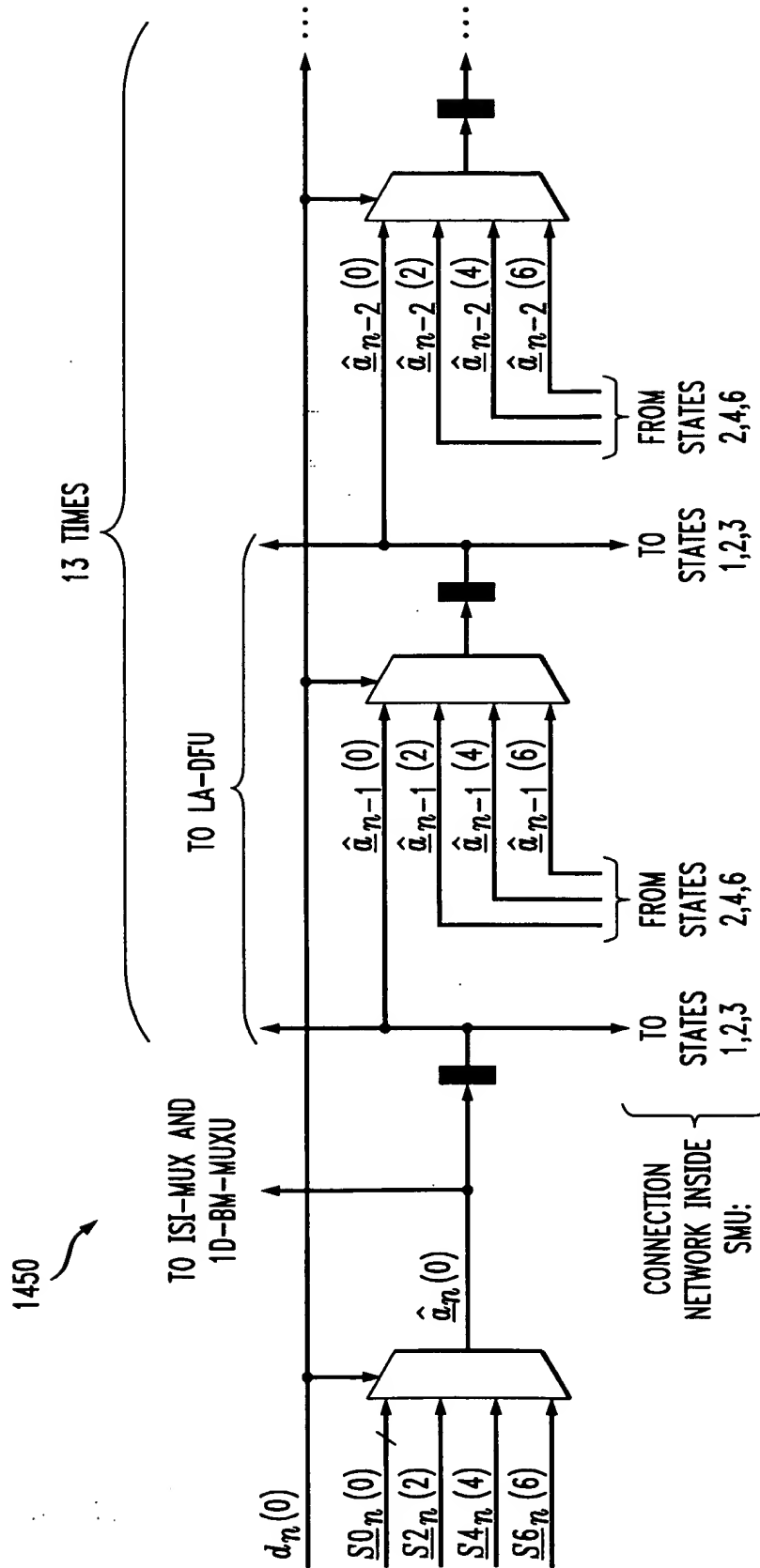




FIG. 17







Replacement Sheet

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FIG. 5

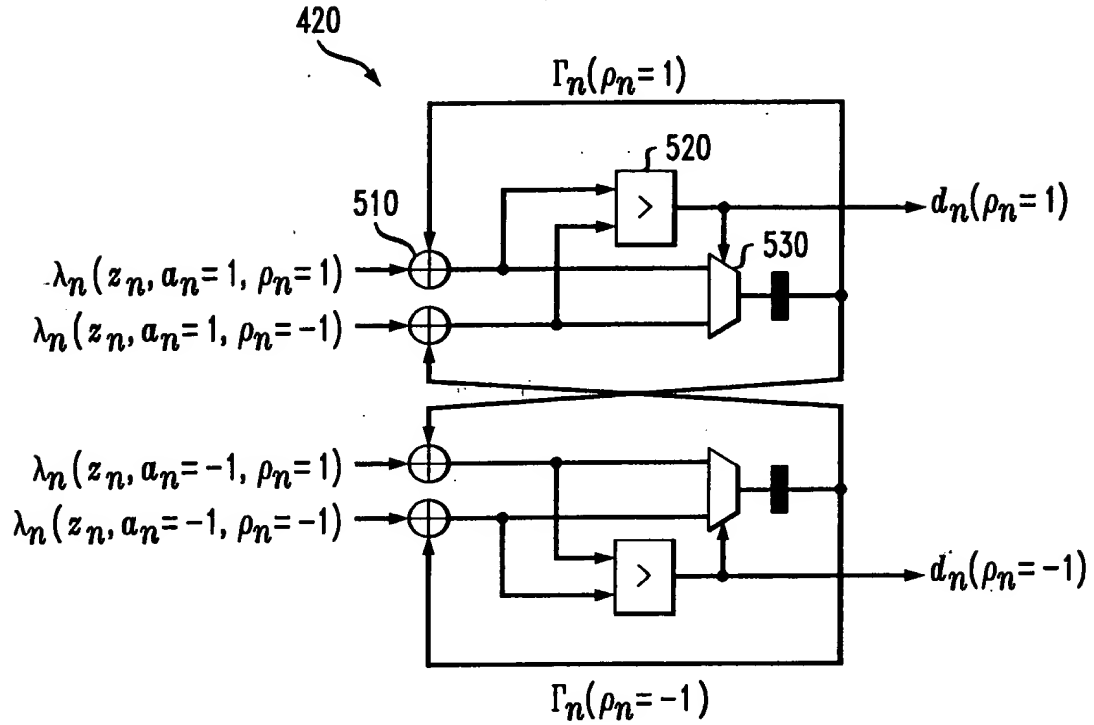


FIG. 6

COMPLEXITY AND CRITICAL PATH ANALYSIS TABLE -- 600

620

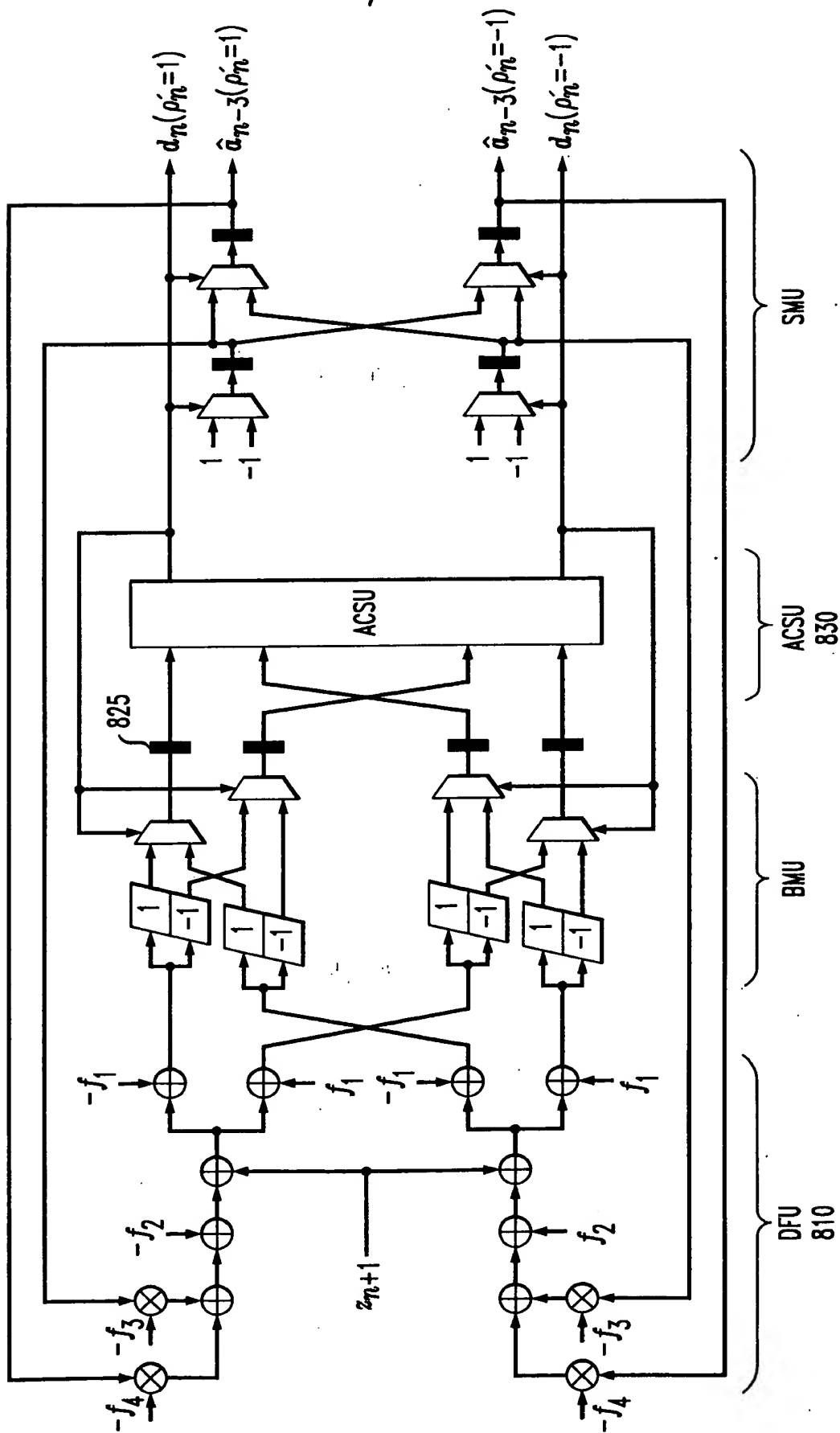
	MLSE	RSSE
COMPLEXITY		
NO. OF STATES:	2^L	2^K
NO. OF BMs	2^{L+1}	2^{K+1}
ADDs IN DFU:	—	$S \times L$
CRITICAL PATH	2 ADDs 2-to-1 MUX	$L - K + 3$ ADDs 2-to-1 MUX LUT SHIFT



Replacement Sheet

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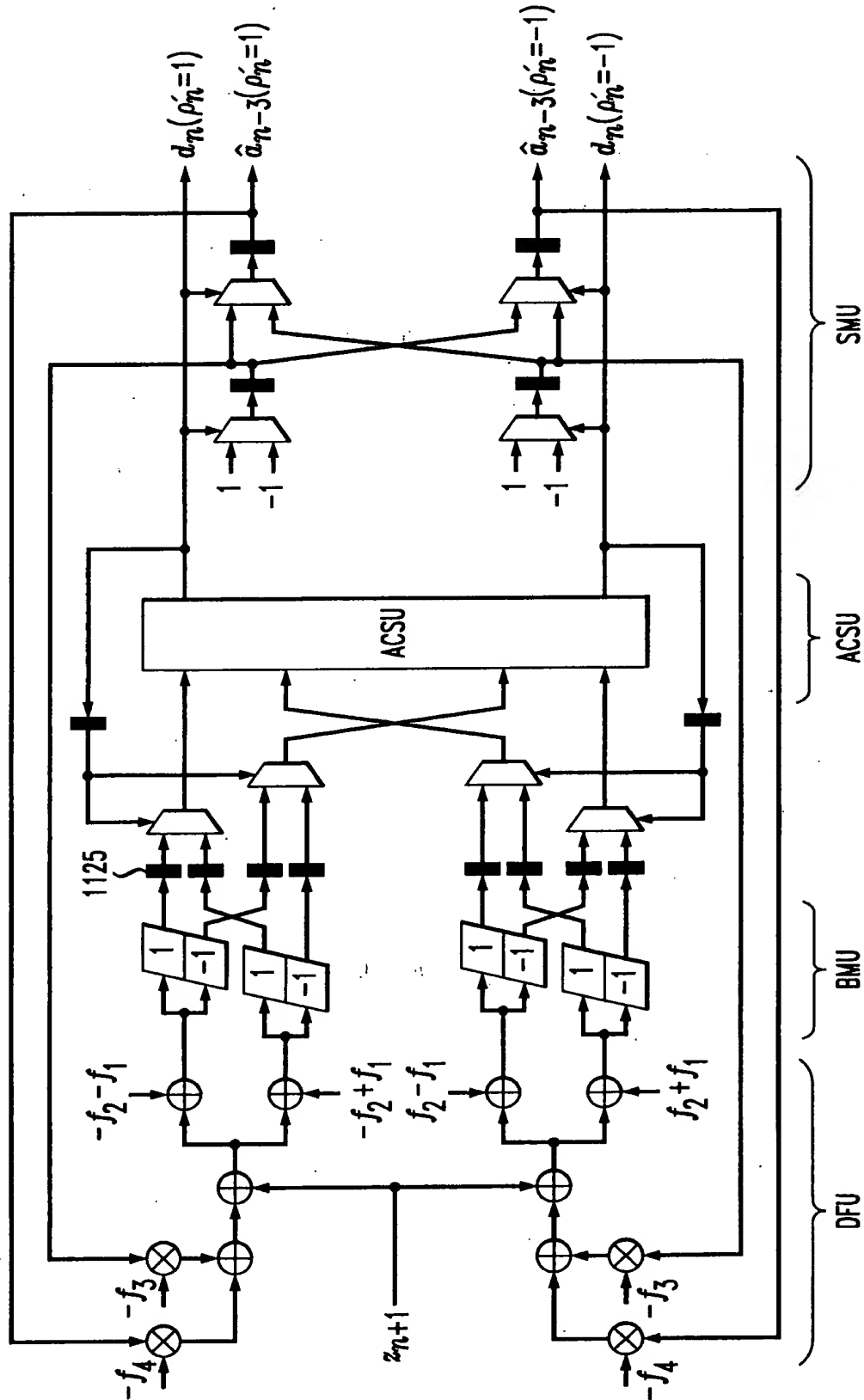
FIG. 8



Replacement Sheet

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FIG. 11



Replacement Sheet

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FIG. 12

